

What is claimed is:

1. A completion assembly deployed within a well bore, comprising:

a base pipe having a sidewall with at least one hole through the sidewall;

a filter surrounding at least a portion of the base pipe;

a plurality of splines located between the base pipe and the filter; and

a rod selectively insertable between adjacent splines to selectively cover the at least one hole.
2. The completion assembly of claim 1 in which the number of holes per unit area of the sidewall varies along the length of the base pipe.
3. The completion assembly of claim 2 wherein the number of holes per unit area of the sidewall, in conjunction with the placement of the rods, is chosen to produce a predetermined flow pattern for a predetermined well bore environment.
4. The completion assembly of claim 1 in which size of the holes varies along the length of the base pipe
5. The completion assembly of claim 4 wherein the sizes of the holes, in conjunction with the placement of the rods, are chosen to produce a predetermined flow pattern for a predetermined well bore environment.
6. The completion assembly of claim 4 in which the number of holes per unit area of the sidewall varies along the length of the base pipe.
7. The completion assembly of claim 6 wherein the number of holes per unit area of the sidewall and the sizes of the holes, in conjunction with the placement of the rods, are

chosen to produce a predetermined flow pattern for a predetermined well bore environment.

8. The completion assembly of claim 1 wherein the rods are adjustably placed by an operator just prior to deployment of the completion assembly into the well bore.

9. The completion assembly of claim 1 further comprising an erosion inhibitor.

10. A completion assembly deployed within a well bore, comprising:

a base pipe having a central cavity enclosed by a sidewall, the sidewall having a plurality of holes therethrough; and

a sleeve circumferentially adjacent and rotatably attached to the base pipe, the sleeve having at least one opening therethrough, and wherein rotation of the sleeve relative to the base pipe aligns or misaligns the holes and the openings to vary the fluid communication between the well bore and the central cavity.

11. The completion assembly of claim 10 in which the number of holes per unit area of the sidewall varies along the length of the base pipe.

12. The completion assembly of claim 10 in which size of the holes varies along the length of the base pipe.

13. The completion assembly of claim 12 in which the number of holes per unit area of the sidewall varies along the length of the base pipe.

14. The completion assembly of claim 10 further comprising an erosion inhibitor.

15. The completion assembly of claim 10 wherein rotation of the sleeve relative to the base pipe aligns or misaligns the holes and the openings to vary the point of entry into the base pipe.

16. The completion assembly of claim 10 further comprising a filter surrounding at least a portion of the base pipe.

17. The completion assembly of claim 10 wherein the openings are longitudinal slots.

18. The completion assembly of claim 10 wherein the sleeve is adjustably placed by an operator just prior to deployment of the completion assembly into the well bore.

19. The completion assembly of claim 10 wherein the number of holes per unit area of the sidewall, in conjunction with the placement of the sleeve, is chosen to produce a predetermined flow pattern for a predetermined well bore environment.

20. A completion assembly deployed within a well bore, comprising:

a base pipe having a central cavity enclosed by a sidewall, the sidewall having a plurality of holes therethrough;

a sleeve circumferentially adjacent and rotatably attached to the base pipe, the sleeve having at least one opening therethrough, and wherein rotation of the sleeve relative to the base pipe aligns or misaligns the holes and the openings to vary the fluid communication between the well bore and the central cavity; and

wherein the number of holes per unit area of the sidewall and the sizes of the holes, in conjunction with the placement of the sleeve, are chosen to produce a predetermined flow pattern for a predetermined well bore environment.